



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : PATENT APPLICATION  
Nina Bojkova, et al. : Group Art Unit:  
Serial No. 10/725,023 : Examiner: Not Assigned  
Filed: December 2, 2003 : PPG Case No. 1709P1  
For: HIGH IMPACT POLY(URETHANE UREA) :  
POLYSULFIDES :

INFORMATION DISCLOSURE STATEMENT

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Sir:

The documents listed on the attached Form PTO-1449 are brought to the attention of the United States Patent and Trademark Office with respect to the application identified above in accordance with the provisions of 37 CFR 1.56, 1.97 and 1.98 before receipt of the first Office Action. Copies of the Foreign Patent Documents and Other Citations listed are enclosed herewith.

It is requested that the Examiner consider these documents and that they be made of record in the application.

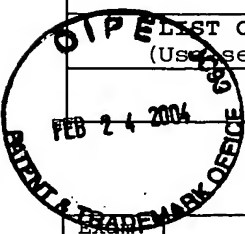
Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>February 20, 2004</u> (Date) Signature <u><i>Norma J. Golling</i></u> Norma J. Golling Typed or printed name of person mailing correspondence	
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Pittsburgh, Pennsylvania  
February 20, 2004

	<b>LIST OF CITATIONS BY APPLICANT</b> (Use several sheets if necessary)		Atty. Docket No. 1709P1	Serial No. 10/725,023
			Applicant Nina Bojkova, et al.	
			Filing Date	Group

**U.S. PATENT DOCUMENTS**

Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
AA	2,644,007	06/30/53	Irwin	260	453	
AB	2,680,127	06/01/54	Slocombe, et al.	260	453	
AC	3,361,706	01/02/68	Smith Meriwether, et al.	260	39	
AD	3,562,172	02/09/71	Ono and Osada	252	300	
AE	3,567,605	03/02/71	Becker	204	158	
AF	3,578,602	05/11/71	Ono, et al.	252	300	
AG	4,160,853	07/10/79	Ammons	428	425	
AH	4,166,043	08/28/79	Uhlmann, et al.	252	300	
AI	4,215,010	07/29/80	Hovey, et al.	252	300	
AJ	4,342,668	08/03/82	Hovey, et al.	252	586	
AK	4,367,170	01/04/83	Uhlmann, et al.	252	586	

**FOREIGN PATENT DOCUMENTS**

	Document No.	Date	Country	Class	Subclass	Translation Yes	No
AL	WO 03/042270	22.05.2003	WO				
AM	WO 01/66623 A1	13.09.2001	WO				
AN							
AO							
AP							

**OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR	D.M. Young, F. Hostettler, et al., "Polyesters from Lactones," Union Carbide F-40, p. 147
AS	Ullmann's Encyclopedia of Industrial Chemistry, 5 <sup>th</sup> Edition, 1992, Vol. A21, pp. 673-674
AT	U.S. Serial No. 60/332,829 filed November 16, 2001 "High Impact Poly (Urethane Urea) Polysulfides"

Examiner	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	Atty. Docket No. 1709P1	Serial No. 10/725,023
<b>LIST OF CITATIONS BY APPLICANT</b> (Use several sheets if necessary)	Applicant Nina Bojkova, et al.	
	Filing Date 12/02/03	Group

**U.S. PATENT DOCUMENTS**

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	4,637,698	01/20/87	Kwak and Hurditch	351	163	
	AB	4,816,584	03/28/89	Kwak and Chen	544	71	
	AC	4,818,096	04/04/89	Heller, et al.	351	163	
	AD	4,826,977	05/02/89	Heller, et al.	544	70	
	AE	4,880,667	11/14/89	Welch	427	160	
	AF	4,931,219	06/05/90	Kwiatkowski and Kwak	252	586	
	AG	4,931,220	06/05/90	Haynes, et al.	252	586	
	AH	5,066,818	11/19/91	Van Gemert and Bergomi	549	389	
	AI	5,225,472	07/06/93	Cameron and Zook	524	368	
	AJ	5,238,931	08/24/93	Yoshikawa, et al.	514	184	
	AK	5,274,132	12/28/93	Van Gemert	549	389	

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL							
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	AO							
	AP							

**OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AR	U.S. Serial No. 60/435,537 filed December 20, 2002 "Sulfide-Containing Polythiols"
	AS	ASTM D 542-00 "Standard Test Method for Index of Refraction of Transparent Organic Plastics"
	AT	ASTM D297-93 (Reapproved 1998) "Standard Test Methods for Rubber Products--Chemical Analysis"

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	Filing Date 12/02/03	Group

**U.S. PATENT DOCUMENTS**

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
AA	5,384,077	01/24/95	Knowles	252	586	
AB	5,405,958	04/11/95	Van Gemert	544	71	
AC	5,429,774	07/04/95	Kumar	252	586	
AD	5,466,398	11/14/95	Van Gemert and Kumar	252	586	
AE	5,693,738	12/02/97	Okazaki, et al.	528	51	
AF	6,187,444 B1	02/13/01	Bowles, III, et al.	428	423.1	
AG	6,509,418 B1	01/21/03	Zook, et al.	525	212	
AH	PUB.No.: US 2003/0149217 A1	08/07/03	Bojkova, et al.	528	75	
AI						
AJ						
AK						

**FOREIGN PATENT DOCUMENTS**

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AL							
AM							
AN							
AO							
AP							

**OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AR	ASTM D1218-02 "Standard Test Method for Refractive Index and Refractive Dispersion of Hydrocarbon Liquids"
AS	ASTM D792-91 "Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement"
AT	ASTM D2572-91 "Standard Test Method for Isocyanate Groups in Urethane Materials or Prepolymers"

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